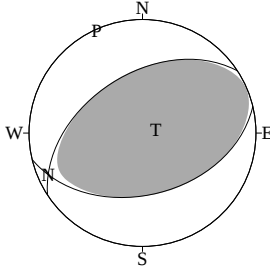


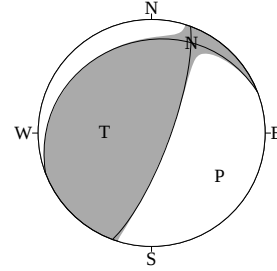
CMT SOLUTIONS FOR EARTHQUAKES IN NOVEMBER, 2023

2023/11/06 02:10: 8.8
E OFF FUKUSHIMA PREF
Hypo.:37°49.7'N 141°37.7'E 56km



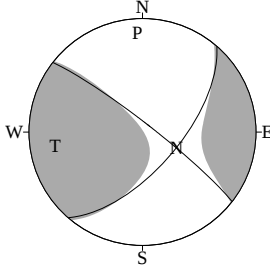
Cent.:37°47.9'N 141°37.9'E 56km $\Delta t = 0.8$
Mo: 1.97×10^{16} N·m Mw:4.8 Mj:5.0 (sec)
mrr: 1.94 mtt:-1.63 mff:-0.31
mrt: 0.06 mrf:-0.36 mtf:-0.70 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 77° 45° 104° P-axis:-1.93 336° 1°
NP2:237° 47° 76° T-axis: 2.00 74° 80°
N-axis:-0.07 246° 10°
V.R.: 77% ϵ : 0.04 N:47 COMP:80

2023/11/11 05:50:30.6
OSUMI PENINSULA REGION
Hypo.:31°19.7'N 130°48.2'E 104km



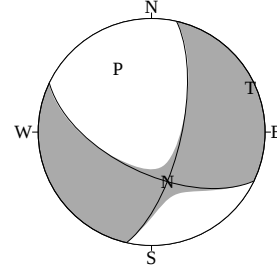
Cent.:31°16.9'N 130°48.4'E 106km $\Delta t = 2.6$
Mo: 0.99×10^{17} N·m Mw:5.3 Mj:5.0 (sec)
mrr: 0.42 mtt:-0.19 mff:-0.23
mrt: 0.25 mrf: 0.82 mtf:-0.34 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 77° 75° P-axis:-1.00 122° 30°
NP2:249° 20° 137° T-axis: 0.97 272° 56°
N-axis: 0.03 24° 14°
V.R.: 82% ϵ :-0.03 N:36 COMP:75

2023/11/12 02:24: 9.1
FAR S OFF TOKAI DISTRICT
Hypo.:33°38.7'N 138°31.8'E 33km



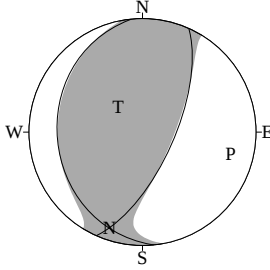
Cent.:33°38.7'N 138°32.6'E 10km $\Delta t = 0.4$
Mo: 4.50×10^{15} N·m Mw:4.4 Mj:4.5 (sec)
mrr: 0.05 mtt:-3.91 mff: 3.86
mrt:-1.11 mrf: 1.85 mtf:-0.85 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 41° 64° 7° P-axis:-4.21 357° 13°
NP2:308° 84° 154° T-axis: 4.78 261° 23°
N-axis:-0.57 115° 63°
V.R.: 80% ϵ : 0.12 N:15 COMP:23

2023/11/19 13:01:36.9
FAR FIELD
Hypo.:18°54.9'N 145°26.4'E 629km



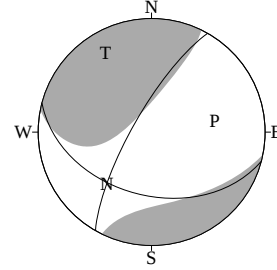
Cent.:19°22.9'N 145°17.5'E 612km $\Delta t = 6.9$
Mo: 8.00×10^{17} N·m Mw:5.9 Mj:6.5 (sec)
mrr:-2.74 mtt:-2.58 mff: 5.32
mrt:-3.36 mrf:-2.56 mtf:-5.04 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 13° 69° -32° P-axis:-8.20 332° 37°
NP2:116° 60°-155° T-axis: 7.80 66° 5°
N-axis: 0.40 162° 52°
V.R.: 78% ϵ :-0.04 N:56 COMP:96

2023/11/20 06:01:31.2
E OFF AOMORI PREF
Hypo.:41°10.0'N 142°17.5'E 52km



Cent.:41°10.6'N 142°18.2'E 48km $\Delta t = 3.1$
Mo: 1.01×10^{18} N·m Mw:5.9 Mj:5.9 (sec)
mrr: 0.67 mtt: 0.09 mff:-0.76
mrt: 0.34 mrf: 0.61 mtf:-0.16 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 67° 103° P-axis:-1.05 104° 21°
NP2:174° 26° 62° T-axis: 0.98 316° 65°
N-axis: 0.07 199° 12°
V.R.: 80% ϵ :-0.07 N:15 COMP:34

2023/11/24 18:04:57.6
MARIANA ISLANDS REGION
Hypo.:20°24.0'N 146°18.5'E 0km

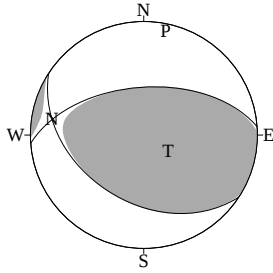


Cent.:20°24.6'N 146°17.9'E 10km $\Delta t = 11.1$
Mo: 2.39×10^{19} N·m Mw:6.9 Mj:7.5 (sec)
mrr:-0.89 mtt: 1.54 mff:-0.64
mrt: 0.82 mrf: 1.25 mtf: 1.42 ($\times 10^{19}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:105° 44° -20° P-axis:-2.07 80° 43°
NP2:210° 76°-132° T-axis: 2.71 330° 20°
N-axis:-0.64 221° 40°
V.R.: 68% ϵ : 0.24 N:30 COMP:79

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

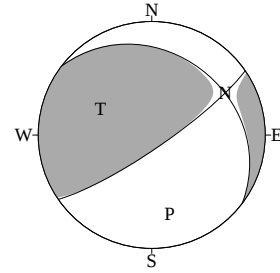
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge of P-, T-, N-axis
V.R.:Variance Reduction, ϵ :Non-double couple component ratio, N:Number of stations, COMP:Number of components

2023/11/26 10:47: 9.3
SE OFF MIYAGI PREF
Hypo.:37°51.1'N 142°31.6'E 42km



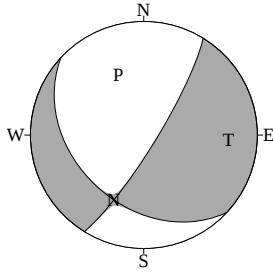
Cent.:37°56.2'N 142°32.1'E 34km $\Delta t = -0.1$
Mo: 1.65×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: 1.44 mtt:-1.47 mff: 0.03
mrt:-0.51 mrf:-0.44 mtf: 0.42 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:123° 41° 120° P-axis:-1.63 12° 7°
NP2:266° 55° 66° T-axis: 1.68 123° 69°
N-axis:-0.05 280° 19°
V.R.: 70% ϵ : 0.03 N:37 COMP:62

2023/11/26 13:31:10.6
NW OFF ISHIGAKIJIMA IS
Hypo.:23°58.0'N 122°26.2'E 23km



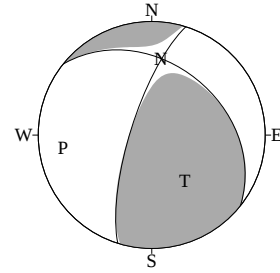
Cent.:24°11.5'N 122°25.9'E 19km $\Delta t = 2.7$
Mo: 3.03×10^{16} N·m Mw:4.9 Mj:5.2 (sec)
mrr: 0.90 mtt:-1.85 mff: 0.95
mrt: 1.96 mrf: 1.68 mtf: 0.11 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 55° 80° 63° P-axis:-3.00 167° 30°
NP2:307° 28° 160° T-axis: 3.07 297° 48°
N-axis:-0.07 60° 26°
V.R.: 75% ϵ : 0.02 N:6 COMP:10

2023/11/26 18:39:48.8
NW OFF OKINAWAJIMA IS
Hypo.:26°58.0'N 126°59.0'E 104km



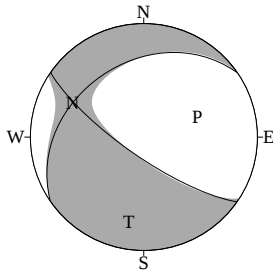
Cent.:26°50.7'N 127° 0.2'E 121km $\Delta t = 2.8$
Mo: 7.60×10^{16} N·m Mw:5.2 Mj:5.0 (sec)
mrr:-1.87 mtt:-3.57 mff: 5.44
mrt:-3.65 mrf:-4.48 mtf:-1.25 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 32° 81° -52° P-axis:-7.62 337° 42°
NP2:133° 39° -165° T-axis: 7.58 93° 26°
N-axis: 0.04 205° 37°
V.R.: 61% ϵ :-0.01 N:18 COMP:40

2023/11/28 05:35:21.9
ENSYUNADA
Hypo.:34°25.5'N 137°43.9'E 303km



Cent.:34°27.5'N 137°43.0'E 307km $\Delta t = 0.9$
Mo: 1.55×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 0.66 mtt: 0.38 mff:-1.04
mrt:-0.60 mrf:-0.98 mtf: 0.51 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:309° 37° 26° P-axis:-1.51 262° 22°
NP2:197° 75° 124° T-axis: 1.59 144° 49°
N-axis:-0.08 7° 33°
V.R.: 86% ϵ : 0.05 N:28 COMP:40

2023/11/28 12:37:51.2
SE OFF ETOROFU
Hypo.:44°16.1'N 149° 0.5'E 30km



Cent.:44°20.2'N 149° 2.5'E 25km $\Delta t = 6.2$
Mo: 6.59×10^{16} N·m Mw:5.1 Mj:5.1 (sec)
mrr:-2.59 mtt: 4.80 mff:-2.20
mrt:-3.47 mrf: 3.76 mtf: 0.18 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:125° 76° -58° P-axis:-6.80 69° 48°
NP2:235° 35° -156° T-axis: 6.38 190° 25°
N-axis: 0.42 296° 31°
V.R.: 84% ϵ :-0.06 N:19 COMP:33

EQUAL AREA PROJECTON, LOWER HEMISPHERE.